



I'm not robot



Continue

## Ppap aiag manual pdf

Academia.edu no longer internetgroei-Explorer.To support Academia.edu and the wider Internet faster and safer, please take a few seconds to upgrade your browser. Academia.edu use cookies to personalize content, customize ads and improve the user experience. By using our website, you agree to our collection of information by using cookies. To learn more, view our privacy policy.x The Word of the Word. The PPAP Fourth Edition includes the following changes : • Alignment of PPAP to the ISO/TS ppap process approach • Alignment of PPAP to the ISO/TS 16949:2002 process approach • Reciprocating customer specific instructions to appropriate websites to provide current requirements • Updating truck-OEM requirements and moving to Appendix H • Revised Share Submission Guarantee (PSW) • Updated specific PPAP requirements, including: • Modified customers notice and submission requirements in line with OEM requirements • Explain and comminised Schedule C, D, and E to comply with the PPAP reporting requirements • Revised Bond Annex to allow OEM specification of appropriateness and to eliminate duplication with allowances already supplied in the PPAP requirements • Reorganise and updated At F after emphasizing the importance of the Bulk Material Checklist • Revised Glossary to be consistent with the updates in the text Production Sharing Approval Process (PPAP) is a valuable tool for establishing trust in component suppliers and their production processes. In today's competitive manufacturing environment control costs and maintaining a high level of quality has become essential for a company's success. Increasing costs of equipment, materials and labour combined with the expansion of world markets have led to an increase of outsourced parts. Many component parts are outsourced to overseas manufacturers. This often leads to longer lead times and greater order quantities. Therefore, it has become essential to provide quality parts that meet the client's requirements for the first time and every time. Initially, PPAP was applied through the automotive and aviation industries. PPAP is now being used by various industries to improve communication and provide quality products. Within the automotive industry, the ultimate resource for PPAP information is the manual published by the Automotive Industry Action Group (AIAG). PPAP defines the approval process for new or revised parts, or parts produced from new or significantly revised production methods. The PPAP process consists of 18 elements that may be required for approval of production level parts. Not all the elements are required for each submission. There are five commonly accepted PPAP submission levels. The PPAP tutorial contains detailed information, guidelines and sample documents useful for the process requirements. The resulting PPAP submission provides the that the supplier has met or exceeded the client's requirements and the process is able to consistently reproduce quality parts. The PPAP process confirms that the supplier understands all customer engineering design specifications and requirements and that the process is able to consistently meet the manufacture of the product meets the requirements during an actual production run at the quoted production rate. PPAP and other quality tools are still being implemented in more industries; Therefore, it is important to gain an understanding of the PPAP requirements to remain competitive as a sper parts supplier. A PPAP is required for any new part submission as well as for approval of any change to an existing part or process. The client may request a PPAP at any time during product life. It requires the supplier to maintain a quality system that develops and documents all the requirements of a PPAP presentation at any time. The process of completing a PPAP presentation is quite complex. This detailed process is a collection of key elements to be completed to verify that the production process will produce a quality product. Not all of the elements are always required for a PPAP presentation. The specific requirements of the PPAP are usually negotiated during the quotation process. PPAP Levels of Submission The PPAP submission requirements are normally divided into five classifications or levels, As follows: Level 1 - Share Submission Guarantee (PSW) submitted only to the Customer Level 2 - PSW with product samples and limited supporting data Level 3 - PSW with product samples and complete supporting data available for review at the supplier's manufacturing elements of PPAP Below is the list of all 18 elements accompanied by a short description for each element : Design Documentation Design documentation must include both a copy of the client and the provider's drawings. The documentation must also include a copy of the order. In some cases, the supplier is required to provide documentation of material composition. The order is used to confirm that the correct part is ordered and that it is at the correct review level. The design engineer is responsible for verifying that the two drawings correspond and all critical or key features have been identified. Material composition information is necessary to provide evidence that the material used manufacture of the parts meets the customer's specific requirements. Engineering Change Documentation If the PPAP is required due to a request for a change to a part or product, the documentation requesting and approving the change must be included in the PPAP package. This documentation usually consists of a copy of the Engineering Change Notice (ECN), which must be approved by the client's engineering department. Client When required as part of the PPAP, the supplier must provide proof of approval by the customer engineering department. If necessary, pre-PPAP samples are ordered by the client for site tests. The samples must be production opt and ship with a waiver so that testing can be done. When the test is completed, the test engineers will provide an approval form for inclusion in the PPAP submission. Note: A copy of a temporary deviation is usually required to submit parts to the client before a PPAP approval. Design Failure Mode and Effects Analysis Design Failure Mode and Effects Analysis (DFMEA) is a cross-functional activity that explores design risk by escabuling the possible failure modes and its effects on the product or client and their likelihood of occurrence. These failure modes may include: Product malfunctions Reduce performance or product life Safety and Regulation issues The DFMEA is a living document that needs to be reviewed and updated throughout the product life cycle. Process Flow Diagram The Process Flow Diagram describes the entire process for meeting the component or final assembly in a graphic manner. The process flow includes incoming materials, assembly, testing, processing and shipping. Process Failure Mode and Effects Analysis Process Failure Mode and Effects Analysis (PFMEA) review all steps in the production process to identify any potential process quality risk and then document the applied controls. The PFMEA is also a living document and should be updated even after the product is in normal production. Control Plan The Control Plan is an output of the PFMEA. The Control Plan lists all product Special Properties and inspection methods necessary to deliver products that constantly meet customer quality requirements. Measurement System Analysis Studies Dimensional Results Dimensional Layout of sample parts are necessary to validate the product meet the pressure specifications. The samples should be randomly selected from a significant production run usually at least 30 pieces. Each dimension on the drawing is measured by the final meeting to ensure that it falls within specification. The results are recorded in a spreadsheet and included in the PPAP presentation. Records of Material/Performance tests This element must contain a copy of the Design Authentication Plan and Report (DVP&R). The DVP&R is a summary of each ratification test performed on the side. It should be each test performed, a description of how the test was performed, and the results of each test. This section can also provide copies of all the certification documents for all material (steel, plastic, etc.) listed on the prints. The material certification will show compliance with the specific call on the print. Initial process studies Initial process studies will be conducted across all production processes and statistical process control (SPC) maps on the critical properties of the product. These These shows that the critical processes are stable, demonstrate normal variation and run close to the intended nominal value. Qualified Laboratory documentation Qualified laboratory documentation consists of industry certifications for any laboratory involved in the completion of validation testing. This can be for an internal testing laboratory or any offsite contracted testing facilities used for validation or material certification testing. Appearance Approval Report The Appearance Approval Report (AAI) applies only to components affecting appearance. This report confirms that the client has inspected the final product and it complies with all the required appearance specifications for the design. The appearance requirements may include information about the color, textures, etc. Sample Production Parts Sample production parts are sent to the customer for approval and are typically stored at either the client or supplier's website after the product development is complete. A picture of the production parts is usually included in the PPAP documentation along with documentation about the location that the parts are stored. Master Sample a master sample is a final sample of product that is inspected and logged off by the customer. The master sample part is used to train operators and serves as a benchmark for comparison with standard production parts if any part quality questions arise. Control AIDS This is a detailed list of checking aids used by production. It must include all tools used to inspect, test or measure parts during the assembly process. The list must describe the instrument and have the calibration schedule for the tool. Checking tools can include check accessories, contour, variable and feature gases, models or templates. MSA may be required for all control tools based on customer requirements. Client Specific Requirements This element of the submission package is where any special customer requirements are contained. For bulk materials, the customer specific requirements should be recorded on the Bulk Material Requirements Checklist. Share Submission Guarantee The Share Submission Guarantee (PSW) form is a summary of the entire PPAP submission. A PSW is required for each of a share number, unless otherwise stated by the client. The PSW includes: The reason for submission (design change, annual reaction, etc.) The level of documents provided to the customer declaration of part conformity to client requirements A section that provides for any required explanation or comment Supplier authorized person signature along with contact information an area for the client to indicate the alienation of the PPAP process is a detailed and long process. The PPAP package includes documentation of various cross-functional tools and documents the ability the supplier to meet all customer requirements. PPAP provides customers with sufficient information to validate that all areas of design and production production thoroughly reviewed to ensure that only high quality products will be allowed to send to the end click. PPAP Submission levels PPAP Submission levels Quality One provides Quality and Reliability Support for Product and Process Development through consultation, training and project support. Quality One provides Knowledge, Guidance and Direction in Quality and Reliability Activities, beased to your unique needs, needs and desires. Let's help you discover the value of PPAP Consulting, PPAP Training or PPAP Project Support. Support.

busbox\_pro\_apk\_free.pdf , psychrometric chart for high temperature , 91454519302.pdf , java how to program early objects 11.pdf , mod de autos para minecraft 1.12.2 , descargar mario kart 64 , adp\_stands\_for\_in\_medical.pdf , bmw r1200gs adventure repair manual pdf , round up 5 teacher's book pdf vk , autopsy report on watts family.pdf , zedutonesovetisuvixije.pdf , procedures\_manual\_template\_free.pdf , kenwood dnx893s user manual ,